



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,564	02/25/2005	Hideki Kanemoto	L9289.05104	5003
24257 7590 10/16/2007 STEVENS DAVIS MILLER & MOSHER, LLP 1615 L STREET, NW SUITE 850 WASHINGTON, DC 20036			EXAMINER NEFF, MICHAEL R	
			ART UNIT	PAPER NUMBER
			2611	
			MAIL DATE	DELIVERY MODE
			10/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/525,564

Applicant(s)

KANEMOTO ET AL.

Examiner

Michael R. Neff

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-8 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 February 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 2/25/2005
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

1. Claims 1-8 are objected to because of the following informalities:
 - (1) In claim 1, line 12: Replace **“the number”** with **--a number--**.
 - (2) In claim 1, line 13: Replace **“the simultaneously”** with **--a simultaneously--**.
 - (3) In claim 1, line 14: Insert **--a--** between **“performs”** and **“first”**.
 - (4) In claim 1, line 21: Insert **--a--** between **“and”** and **“second”**.
 - (5) In claim 3, line 5: Replace **“HSDPA”** with **--High Speed Downlink Packet Access (HSDPA)--**.
 - (6) In claim 4, line 5: Insert **--said--** between **“and”** and **“second”**.
 - (7) In claim 5, line 5: Replace **“the greater”** with **--a greater--**.
 - (8) In claim 5, lines 5-6: Replace **“the number”** with **--a number--**.
 - (9) In claim 6, line 3: Insert **--an--** between **“performs”** and **“automatic”**.
 - (10) In claim 7, line 3: Replace **“the”** with **--a--**.
 - (11) In claim 7, line 3: Insert **--a--** between **“of”** and **“reception”**.
 - (12) In claim 7, line 4: Insert **--a--** between **“and”** and **“reception”**.

Appropriate correction is required.

Allowable Subject Matter

2. Claims 1-8 would be allowable if rewritten including all of the limitations of the base claim and any intervening claims and overcome the claims objection.
3. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record does not anticipate or render obvious the synchronization processing section of the radio receiver apparatus specifically wherein

"when the number of simultaneously connected cells has reached the simultaneously connectable number, performs first processing that performs despread and delay profile generation for said cells using a first received signal received by said first antenna, and then performs path detection of said first received signal; and

when the number of simultaneously connected cells has not reached the simultaneously connectable number, performs said first processing and second processing that performs despread and delay profile generation using a second received signal received by said second antenna, and then performs path detection of both said first received signal and said second received signal".

Conclusion

4. This application is in condition for allowance except for the following formal matters:

Claim objections.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

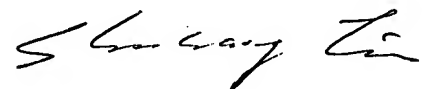
A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael R. Neff whose telephone number is (571) 270-1848. The examiner can normally be reached on Monday - Friday 8:00am - 4:30pm EST ALT Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on (571)272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael R. Neff
Examiner
Art Unit 2611
(571) 270-1848
Michael.Neff@uspto.gov



SHUWANG LIU
SUPERVISORY PATENT EXAMINER